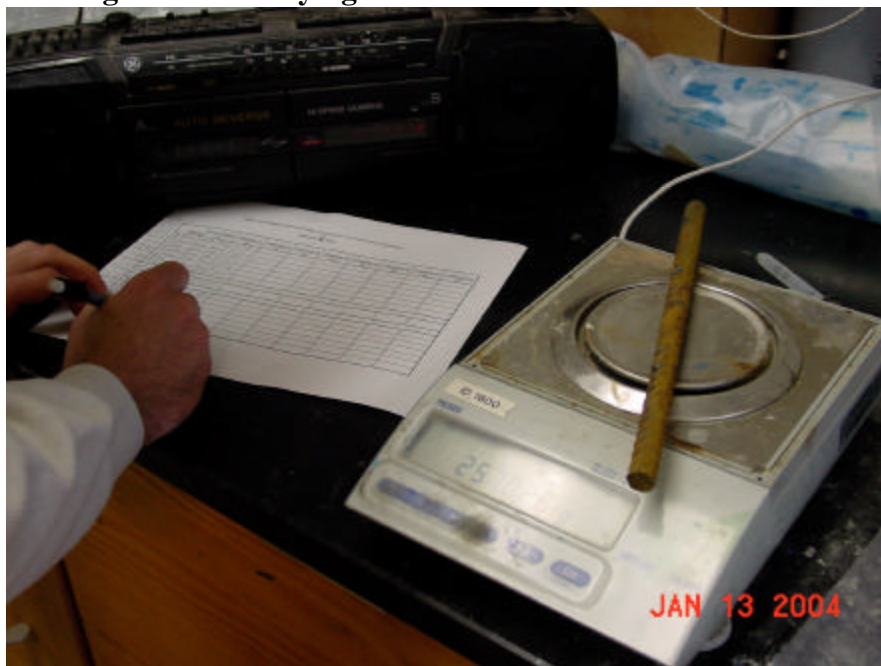




**Figure 3.33 – Drying the Bars After the Chemical Bath**



**Figure 3.34 – Weighing a Bar After the Cleaning Process**

### **3.7.3 Tension Tests**

The last test to be performed on each individual bar was the tension test. The tension tests were performed in accordance with ASTM standard A 370 – 03a. Each bar was placed in the lab's 220-kip MTS closed-loop universal testing machine under tension forces until failure. An extensometer was used for each test to measure the change in the length of the bar. The load-deflection graphs were generated for each specimen, and the loss of